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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/856,816	08/06/2001	Klaus-Leo Wilbuer	SWR-0056	4738
23413	7590	07/07/2004	EXAMINER	
CANTOR COLBURN, LLP 55 GRIFFIN ROAD SOUTH BLOOMFIELD, CT 06002			KEITH, JACK W	
			ART UNIT	PAPER NUMBER
			3641	
DATE MAILED: 07/07/2004				

Please find below and/or attached an Office communication concerning this application or proceeding.

E

Office Action Summary

Application No.

09/856,816

Applicant(s)

WILBUER ET AL.

Examiner

Jack W. Keith

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-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --**Period for Reply**

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 18 December 2003.
- 2a) ☒ This action is **FINAL**. 2b) ☐ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 38-58 is/are pending in the application.
- 4a) Of the above claim(s) 44 and 48-58 is/are withdrawn from consideration.
- 5) ☐ Claim(s) _____ is/are allowed.
- 6) ☒ Claim(s) 38-43 and 45-47 is/are rejected.
- 7) ☐ Claim(s) _____ is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on _____ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some * c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
 2. ☐ Certified copies of the priority documents have been received in Application No. _____.
 3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).
- * See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- 1) ☐ Notice of References Cited (PTO-892)
- 2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
- 3) ☒ Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)
Paper No(s)/Mail Date 12/22/2003.
- 4) ☐ Interview Summary (PTO-413)
Paper No(s)/Mail Date. _____.
- 5) ☐ Notice of Informal Patent Application (PTO-152)
- 6) ☐ Other: _____.

DETAILED ACTION

Response to Arguments

1. Applicant's arguments filed 12/18/2003 have been fully considered but they are not persuasive. Accordingly, the rejections of Paper no. 17 are herein incorporated by reference.

Applicant argues that the dispersion bath of Wang does not provide a relative movement of the dispersion particles during the coating process. Applicant further argues that there is no movement of the surface to be coated during coating.

Review of the claims shows no indication of prescribed order. That is no time or sequence of events is associated with the claim language "during the coating process". As broadly interpreted Wang sets forth a process wherein the dispersion coating is intermittently stirred during the coating process. Applicant's claim language does not preclude the process of Wang from reading on the claimed process. Applicant's claim language "during the coating process" does not mean coating takes place only during the relative movement of the dispersion material. While this may be applicant's intent, the current claim language supports more than one interpretation.

Again it is noted that the features upon which applicant relies (i.e., time, sequence of events, etc associated with the coating process) are not recited in the rejected claim(s). Although the claims are interpreted in light of the specification, limitations from the specification are not read into the claims. See In re Van Geuns, 988 F.2d 1181, 26 USPQ2d 1057 (Fed. Cir. 1993).

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With regard to applicant's arguments that no movement of the relative surface is present in Wang the examiner disagrees. Movement takes place by the dispersion material contacting the surface of the material to be exposed. That is the claim language reads on the flowing of the dispersion material against the surface to be coated. Thus relative movement takes place at the material surface. Again applicant is reading features into his claims that are not claimed.

Lastly applicant argues that the boron carbide of Wang is electrically non-conductive. As specified in the prior Office action Wang does identify the boron carbide as being electrically non-conductive, but when combined with the copper ions the boron carbide in question is electrically conductive as is evident when the shielding element (18) is exposed to the dispersion bath (copper/boron carbide). One can clearly see via figures 1 and 2a-2d that via gravity the shielding surface (18) is coated with the copper/boron carbide. While patent drawings are not drawn to scale, relationships clearly shown in the drawings of a reference patent cannot be disregarded in determining the patentability of claims. See In re Mraz, 59 CCPA 866, 455 F.2d 1069, 173 USPQ 25 (1972).

Additionally in regard to the boron carbide being electrically non-conductive, the prior Office action pointed out the only difference between applicant's example (see page 10) were the materials used. Applicant utilizes nickel/boron carbide. Why is boron carbide considered to be electrically conductive here, but not in Wang? Similar structures must function the same.

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With regard to the 103 rejections applicant argues the failing of Wang as the primary reference. Thus, applicant states that theses rejections do not overcome the lacking of the primary reference and should be withdrawn.

As set forth above Wang meets applicant's claim language. Thus the 103 rejections are proper.

Conclusion

2. **THIS ACTION IS MADE FINAL.** Applicant is reminded of the extension of time policy as set forth in 37 CFR 1.136(a).

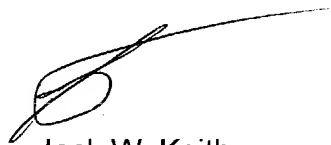
A shortened statutory period for reply to this final action is set to expire **THREE MONTHS** from the mailing date of this action. In the event a first reply is filed within **TWO MONTHS** of the mailing date of this final action and the advisory action is not mailed until after the end of the **THREE-MONTH** shortened statutory period, then the shortened statutory period will expire on the date the advisory action is mailed, and any extension fee pursuant to 37 CFR 1.136(a) will be calculated from the mailing date of the advisory action. In no event, however, will the statutory period for reply expire later than **SIX MONTHS** from the mailing date of this final action.

3. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Jack W. Keith whose telephone number is (703) 306-5752. The examiner can normally be reached on Monday-Thursday 6:30-5 p.m., with Fridays off.

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If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Michael Carone can be reached on (703) 306-4198. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).



Jack W. Keith
Primary Examiner
Art Unit 3641

jwk
June 28, 2004